	Parent Palmin	No re	t Known			3-2} , >	-	
Serial of	200				3.	<u> </u>		
Filed or	Issued: Invention or	Beleat	CENES DI	CPLAYING	ENHANCED	EXPRESSION	DURING	CELLULAR
Title of	Invention or	Patent:	GENES DI	31 LATING	MINITAL C	ELL DIFFERE	NTTATION	JAND
• • •		•	SENESCEN	ICE AND TI	EKMINAL C	ELL DIFFERM	VILITIO	TAND
			USES THE	REOF				

VERIFIED STATEMENT (DECLARATION) CLAIMING

· VERIF	TIED STATEMENT (DECLARATION) CLAIMING
SMALL	ENTITY STATUS UNDER 37 C.F.R. \$1.9(f)
	51.27(d) - NONPROFIT ORGANIZATION
	m an official empowered to act on behalf of the nonpr fit
hereby declare that I am	elou:
rganization identified by	cion.
temp of Organization: Th	e Trustees of Columbia University in the City of New York
ame of organization	11(a) C Proodusy
ddress of Organization:	110 Low Memorial Library, West 116th & Broadway
	New York, New York 10027
TYPE OF ORGANIZATION:	
•	ER INSTITUTION OF HIGHER EDUCATION
TAY EXEMPT UNDER	INTERNAL REVENUE SERVICE CODE 26 U.S.C. \$5501(a) and
NONPROFIT SCIENTI	IFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED
STATES OF AMERICA	
NAME OF STATE:	
	ITE:
	THE EVENT INTER INTERNAL MENTINUE SERVICE CODE TO COLOR
#501(a) and 501((c)(3) IF LOCATED IN THE UNITED STATES OF AMERICA
STOLIAL TEX AS	NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE
OF THE UNITED STA	NONPROFIT SCIENTIFIC OR EDUCATIONAL GUARANTES OF AMERICATES OF AMERICA OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA
OF THE UNITED SEE	
NAME OF STATE	UTE:
CITATION OF STATE	ne nonprofit organization identified above qualifies as
CENES DISPLAIING ENDANCED	as defined in 37 C.F.R. \$1.9(e). (of purposes of the invention entitle C. \$41(a) and 41(b), with regard to the invention entitle EXPRESSION DURING CELLULAR SENESCENCE AND TERMINAL CELL THEREOF Tisher and Magdalena Leszcyniecka
by inventor(s) Paul B. P	Islier and inspected.
described in:	
i de amiliantio	n filed herewith al no filed issued
The specification seri	al no. filed
application seri	issued
patent no.	
· · · · · · · · · · · · · · · · · · ·	
I hereby decrare that is	ghts under contract of law have occur control invention.
with the nonprotte organ	
- tee hold by th	e nonprofit organization are not exclusive each individual
If the rights held by con	e nonprofit organization are not exclusive disted bel w an known to have rights to the invention is listed bel w an hold by any person, other than the inventor, who cou
concern, or organization	n known to have rights to the invention is record who could not not be inventor, who could not
no rights to the inventit	business concern under 37 C.F.R. \$1.9(d)* or a nonpr f
not quality as a small	E D 1 9(a)*
organization under 37 C.	F.R. 1.7(E)
	ed statements are required from each person, concern,
NOTE: Separate verifi	ed statements are required trom each person, comboning to their status as smaller to the invention averring to their status as smaller
organization having rig	nts to the inventage.
entities. 37 C.F.R. §1.2	:1.
A/K	
Name:	
Address:	
Address.	
Address.	
Individual	Small Business Concern Nonprofit Organizati

*See Reverse

- (d) A small business concern as used in this chapter means any business concern as defined by the Small Business Administration in 13 C.F.R. §121.3-18, published on September 30, 1982 at 47 FR 43273. For the convenience of the users of these regulations, that definition states:
- §121.3-18 Definition of small business for paying reduced patent fees under Title 35, U.S. Code.
- (a) Pursuant to Pub. L. 97-247, a small business concern for purposes of paying reduced fees under 35 U.S. Code 41(a) and (b) to the Patent and Trademark Office means any business concern (1) whose number of employees, including those of its affiliates, does not exceed 500 persons and (2) which has not assigned, granted, conveyed, or licensed, and is under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a nonprofit organization under this section. For the purpose of this section concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both. The number of employees of the business concern is the average over the fiscal year of the the persons employed during each of the pay periods of the fiscal year. Employees are those persons employed on a full-time, part-time or temporary basis during the previous fiscal year of the concern.
- (b) If the Patent and Trademark Office determines that a concern is not eligible as a small business concern within this section, the concern shall have a right to appeal that determination to the Small Business Administration. The Patent and Trademark Office shall transmit its written decision and the pertinent size determination file to the SBA in the event of such adverse determination and size appeal. Such appeals by concerns should be submitted to the SBA at 1441 L Street, NW., Washington, D.C. by concerns should be submitted to the SBA at 1441 L Street, NW., Washington, D.C. by concerns SBA Office of General Counsel). The appeal should state the basis 20416 (Attention: SBA Office of General Counsel). The appeal should state the basis upon which it is claimed that the Patent and Trademark Office initial siz determination on the concern was in error; and the facts and arguments supporting the concern's claimed status as a small business concern under this section.
- (e) A nonprofit organization as used in this chapter means (1) a university or other institution of higher education located in any country; (2) an organization of the type described in section 501(c)(3) of the Internal Revenue Code of 1954 (26 U.S.C. 501(c)(3)) and exempt from taxation under section 501(a) of the Internal Revenue Code (26 U.S.C. 501(a)); (3) any nonprofit scientific or educational organization qualified under a nonprofit organization statute of a state of this country (35 U.S.C. 201(i); or (4) any nonprofit organization located in a foreign country which would qualify as a nonprofit organization under paragraphs (e)(2) or (3) of this section if it were located in this country.

Filed: Herewith
Small Entity/Nonprofit
Pige -2-

The state of the s

 I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee paying, the date on which status as a small entity is no longer appropriate. 37 C.F.R. §1.28(b)*.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and that these statements were made with the knowledge that willful false statement, or both, under 18 U.S.C. the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. the \$1001, and that such willful false statements may jeopardize the validity f the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing: Mr. Jack M. Granowitz Title In Organization: Executive Director, Columbia Innovation Enterprise Executive Director, New York, New York 10027	
Address: Amsterdam & 120th Street - Suite 107	
Date Of Signature: W. Drawows	

37 C.F.R. §1.28(b)

(b) Once status as a small entity has been established in an application or patent, fees as a small entity may thereafter be paid in that application or patent with ut regard to a change in status until the issue fee is due or any maintenance fee is due. Notification of any change in status resulting in loss of entitlement to small entity Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application or patent prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate pursuant to §1.9 of this part. The notification of change in status may be signed by the applicant, any person authorized to sign on behalf of the assignee, or an attorney or agent of record or acting in a representative capacity pursuant to §1.34(a) of this part.

DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

the specification of which:

(check one)

My residence, post office address, and citizenship are as stated below next to my name.

is attached hereto.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

GENES DISPLAYING ENHANCED EXPRESSION DURING CELLULAR SENESCENCE AND TERMINAL CELL DIFFERENTIATION AND USES THEREOF

	was file	d on		as
	Application Ser	ial No		
٠	and was amende	· ed		
		*	(if ap	plicable)
I hereby state that I including the claims.	have reviewed and a name have any any	understand the contents of th amendment referred to above	ne above-iden	tified specification,
l acknowledge the dui	ty to disclose to the U entability as defined	J.S. Paieni and Trademark Oj in Tiile 37. Code of Federal I	fice all inform Regulations, S	nation known to me Section 1.56.
365(b) of any foreig International Applica below. I have also id	n application(s) for a ation which designa- dentified below any fo	er Title 35. United States Coapatent or inventor's certificated at least one country other oreign application for patent ate before that of the earliest	te, or Section er than the U or inventor's	365(a) of any PCT nited States, listed certificate, or PCT
Prior Foreign Applica	ation(s)		Priorit	y Claimed
<u>Number</u>	Country	Filing Date	<u>Yes</u>	<u>No</u>
PCT/US00/02920	PCT	2 February 2000	<u> </u>	
	·			
				

Declaration of	and Power	of Allomey
----------------	-----------	------------

I hereby claim the benefit under Title 35. United States Code. Section 119(e) of any United States provisional application(s) listed below:

Provisional Application No.	Filing Date	Storus		
N/A				

Inhereby claim the benefit under Title 35. United States Code, Section 120 of any United States Application(s), or Section 365(c) of any PCT International Application(s) designating the United States Instead below. Insofar as this application discloses and claims subject matter in addition to that disclosed in any such prior Application in the manner provided by the first paragraph of Title 35. United States in any such prior Application in the manner provided by the United States Patent and Trademark Office Code. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations. Section 1.56, which became available between the filing date(s) of such prior Application(s) and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	<u>Stotus</u>
14 09 /243 277	2 February 1999	pending
09/243,277 PCT/US00/02920	2 February 2000	pending
Total	:	

And I hereby appoint

John P. White (Reg. No. 28,678); Christopher C. Dunham (Reg. No. 22,031); Norman H. Zivin (Reg. No. 25,385); Jay H. Maioli (Reg. No. 27,213); William E. Pelton (Reg. No. 25,702); Robert D. Katz (Reg. No. 30,141); Peter J. Phillips (Reg. No. 29,691); Wendy E. Miller (Reg. No. 35,615); Richard S. Milner (Reg. No. 33,970); Robert T. Maldonado (Reg. 38,232); Paul Teng (40,837); Richard F. Jaworski (Reg. No. 33,515); Elizabeth M. Wieckowski (Reg. No. 42,226); Pedro C. Fernandez (Reg. No. 41,741); Gary J. Gershik (Reg. No. 39,992); Jane M. Love (Reg. No. 42,812); Spencer H. Schneider (Reg. No. 45,923) and Raymond A. Diperna (Reg. No. 44,063).

and each of them, all c/o Cooper & Dunham LLP. 1185 Avenue of the Americas, New York, New York 10036, my attorneys, each with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, to transact all business in the Patent and Trademark Office connected therewith and to file any International Applications which are based thereon under the provisions of the Patent Cooperation Treaty.

Please address all communications.	and direct all	relephone calls	. regarding this	application to:
flease address are communications.	una un tet un	ierephone cuits	, regurating inits	application to.

John P. White

Reg. No.

Cooper & Dunham LLP

1185 Avenue of the Americas

New York, New York 10036

Tel. (212) 278-0400

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or
first joint inventor Paul B. Fisher
Inventor's signature
Citizenship United States of America Date of signature
Residence 15 Gordon Place, Scarsdale, New York 10583 USA
Post Office Address_same as residence address
Full name of joint inventor (if any) Magdalena Leszczyniecka
Inventor's signature
Inventor's signature
Citizenship Poland Date of signature
Residence 453 Westend Avenue, Clifton, New Jersey 07011 USA
Post Office Address same as residence address
Full name of joint inventor (if any)
Inventor's signature
CitizenshipDate of signature
\cdot
Residence
Post Office Address